Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/06/2018 12:35 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124238	-1	1.27	124334	1.25
Blue	F	SSC	125000	124350	-1	1.79	125032	1.82
Blue	E	FITC	15760	15476	-2	2.87	334	21.00
Blue	D	PE	25880	25253	-3	1.90	550	16.52
Blue	B	PerCP-Cy5-5	34075	33581	-2	4.07	1023	22.02
Blue	A	PE-Cy7	22776	23080	1	7.09	556	44.22
Red	C	APC	42488	41678	-2	2.71	1579	13.62
Red	A	APC-Cy7	24478	23964	-3	2.82	819	13.23
Violet	B	V450	6304	6148	-3	3.95	343	16.85
Violet	A	V500	26005	25007	-4	3.47	585	12.83

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20642	4.97	602	5	N/A	N/A	Pass
Blue	F	SSC	56389	1.26	569	14	N/A	N/A	Pass
Blue	E	FITC	58	70.60	558	2	0.0183	187	Pass
Blue	D	PE	115	55.37	551	2	0.1257	260	Pass
Blue	B	PerCP-Cy5-5	195	54.01	650	3	0.0079	87	Pass
Blue	A	PE-Cy7	111	107.49	704	7	0.0095	24	Pass
Red	C	APC	372	28.62	604	4	0.0188	120	Pass
Red	A	APC-Cy7	200	28.78	575	4	0.0045	726	Pass
Violet	B	V450	54	76.78	489	0	0.0292	2133	Pass
Violet	A	V500	87	42.83	505	-1	0.0133	810	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.01	-31.52	0.97
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.39
Red	16.57	13.60 - 20.40	N/A	N/A	31.18	31.86	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 14137

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments